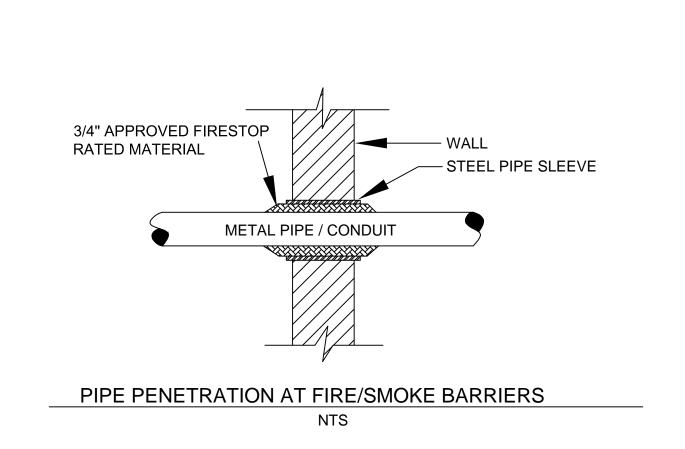
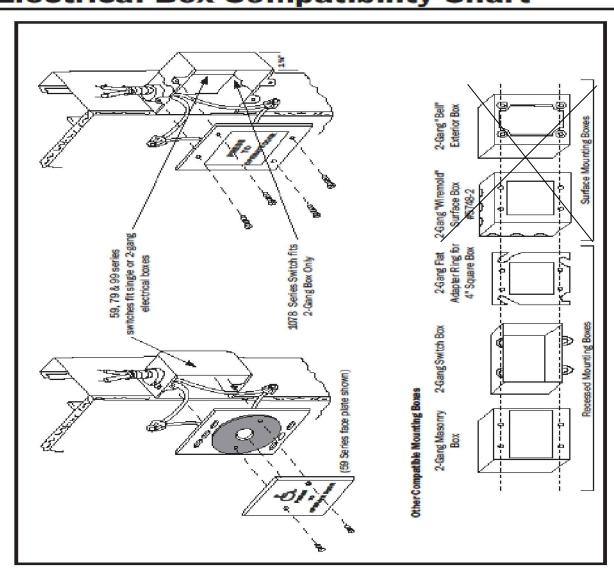


SCI 1st Floor, Door Opener Electrical Power Plan

NTS

Electrical Box Compatibility Chart





ELECTRICAL NOTES

- ALL NOTES APPLY TO ALL DRAWINGS IN THIS CONTRACT.
- 2. COORDINATE ALL ELECTRICAL SHUTDOWNS WITH THIS FACITLITY, 1 WEEK IN ADVANCE. NO CIRCUIT BREAKERS WILL BE TURNED OFF WITHOUT THE SYRACUSE ELECTRICAL SHOP APPROVAL. NO WORK IS TO BE PERFORMED ON LIVE, ENERGIZED CIRCUITS. CONTRACTOR WILL PROVIDE THEIR OWN NEC RATED LOCKOUT/TAGOUT MATERIALS WHERE REQUIRED. SCHEDULED SHUTDOWNS WILL HAVE TO OCCUR ON NIGHTSHIFT HOURS.
- 3. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND EXISTING CONDITIONS, PRIOR TO SUBMITTING BID. THE CONTRACTOR WILL COORDINATE INSTALLATION OF ELECTRICAL PATHS AND EQUIPMENT WITH EXISTING CONDITIONS. PROVIDE ALL REQUIRED FITTINGS, TRANSITIONS, OFFSETS, ETC. TO AVOID CONFLICT WITH EXISTING INFRASTRUCTURE UTILITIES AND FIXTURES.
- 4. ALL NEWLY <u>CONCEALED</u> <u>& RECESSED</u> ELECTRICAL EQUIPMENT AND UTILITIES SHALL INCLUDE ALL CONDUIT, BOXES, FITTINGS AND WIRING NECESSARY FOR A COMPLETE FUNCTIONAL PRODUCT. PROVIDE MINIMUM 3/4 " CONDUIT AND 12GA. THHN WIRE FOR EACH DEDICATED CIRCUIT.
- 5. ALL NEW WALL PENETRATION WORK IS TO BE CONSIDERED 'SMOKE WALL' DETAIL.
- 6. ANY TERMINATED CIRCUITS MUST HAVE WIRE, CONDUIT & BOXES REMOVED BACK TO THE NEAREST SOURCE.
- 7. EACH SMOKE and/or FIRE DOOR REQUIRES THE NEW DOOR OPERATOR TO CONTAIN THE CIRCUITRY AND CONNECTIONS CAPABLE OF DISABLING THE OPENER WHEN FA ACTIVATED & TIED INTO THE EXISTING FA LOOP SYSTEM.
- 8. UPDATE ALL MODIFIED PANEL BOARD DIRECTORIES TO REFLECT ANY NEW BRANCH CIRCUIT REVISIONS. DIRECTORIES MUST BE NEATLY TYPED WITH ROOM # AND FUNCTION. PROVIDE AN ADDITIONAL DIRECTORY COPY TO THE COTR.
- 9. PROVIDE ALL CUTTING, PATCHING AND FIRESTOPPING REQUIRED TO ACCOMPLISH WORK SHOWN. PATCH AND REFINISH ALL NEW CUTS AND OPENINGS TO MATCH EXISTING WALLS, DOOR FRAMES, CEILINGS, ETC.
- 10. THE CONTRACTOR WILL TRACE ANY EXISTING CIRCUITS REQUIRING MODIFICATION, IN THIS CONTRACT. ELECTRICAL TRACING SHALL INCLUDE THE USE OF EQUIPMENT SIMILAR TO AN AMPROBE PASAR.
- 11. ALL NEW EQUIPMENT MUST BE LABELED WITH PANEL AND DEDICATED CIRCUIT # DESTINATION. LABELS MUST BE SUBMITTED FOR APPROVAL TO COTR.

Ī	I	ı	I	DOOR OPENERS	CHEDULE	I	ı	I
Door #	Width	New Opener	Push Plt	Push Plt/Keyswitch	Elec. Strike	Scan Sensors	Swing Sensor	Hardware Notes
Smoke_		·						
C150A	3'-8"ea	2	2	NA	NA	4	2	Disable & remove Mag lock & switch
Smoke								
C170	3'-8"ea	2	2	NA	NA	4	2	Disable & remove Mag lock & switch
S161	4'	1	1	1	1	2	1	New Elec. Strike & Faceplate required
S176	4'	1	1	1	1	2	1	New Elec. Strike & Faceplate required
C175A	3'	1	2	NA	NA	2	1	Remove lockset, provide new push/pu
S101	3' ea.	2	2	NA NA	NA	4	2	Disable (in place) Panic Hardware

NOTES: Smoke Doors C150A & C170 have existing magnetic hold opens, that will remain activated. Opener requires FA power deactivation circuitry. Doors C150A & C170; fill & finish Mag Lock holes in frame and SS cover plate the removed wall switch. Provide new SS 4"x16" Push Pad and Pull Pad on door C175A. Provide flush mounted 4.5"sq. Push Plates, unless otherwise noted.

Provide flush Combination Keyswitch/Push Plates on doors S161 & S176.

Drawing Title	Project Title			Date
ELECTRICAL and NOTES	ADD DOOR OPENERS,			11-12
	SCI FIRST FLOOR			Project No.
				528A7-13-719
Approved: Facility Manager	Building Number	Checked	Drawn	DRAWING NO.
	SCI	C FRANI	T COLE	ES-101
	Location			



	REVISION		DATE
2	REVISION		DATE
	REVISION	Add Smoke Door notes, 4-2013	DATE